

THE  
ANNUAL REPORT

TO THE  
URBAN SANITARY  
:: AUTHORITY ::

OF THE  
COUNTY BOROUGH OF HUDDERSFIELD

FOR THE YEAR

1923,

BY

S. G. H. MOORE, M.D., D.P.H.

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PRINTED BY ORDER OF  
THE HEALTH COMMITTEE

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HUDDERSFIELD :

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## PUBLIC HEALTH DEPARTMENT.

HUDDERSFIELD.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE

OF THE COUNTY BOROUGH OF HUDDERSFIELD.

MR. CHAIRMAN AND GENTLEMEN,

In conformity with your instructions, this Annual Report for the year 1923 is maintained at a minimum.

A consideration of the vital statistics shows that the health of the inhabitants of the Borough is satisfactory. The deaths from the recognized zymotic diseases fell from 0.39 to 0.26, and the annual rate of mortality therefrom from 0.49 to 0.23.

In March, 1923, the Sanitary Authority adopted the following resolutions :—

Contagious Diseases of Animals Acts, 1878 and 1886.

The Dairies, Cowsheds and Milkshops Orders, 1885 and 1886.

- (1) That Mr. John McKinna, F.R.C.V.S. be appointed, pursuant to Section 189 of the Public Health Act, 1875, one of their Officers for the efficient execution of such Act, and that there be assigned to him the duty of administering and enforcing under this Committee the Regulations of the 16th June, 1897, made by the Corporation under the above Orders with regard to Dairies, Cowsheds and Milkshops, with the exception of Regulations Nos. D (5), (6), and (8), and E (1) and (2), which fall within the province of the Medical Officer of Health. Provided that the duties of Mr. McKinna with regard to Dairies be limited to Dairies situate on farms.

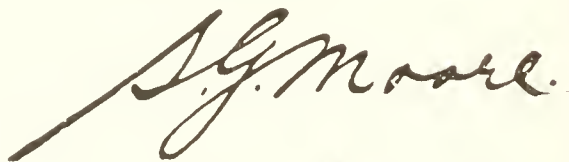
- (2) That Mr. McKinna's salary be increased from £75 to £350 per annum.
- (3) That the Finance Committee be asked to provide a room for use by Mr. McKinna as an office.
- (4) That a Sanitary Inspector be assigned, if necessary, to assist Mr. McKinna in his duties.
- (5) That the appointment be subject to determination by one month's notice on either side.
- (6) That previous resolutions in so far as they may be inconsistent herewith be rescinded.

One of the Assistant Sanitary Inspectors has been allotted to assist Mr. McKinna, and his services have been withdrawn from the supervision of the Sanitary Inspector on  $3\frac{1}{2}$  days a week.

Sub-Section 6 of the resolution has reference to the fact that the Orders and Regulations referred to had previously been administered by the Medical Officer of Health, who accordingly has no longer any responsibility for them.

I am, Gentlemen,

Faithfully yours,

A handwritten signature in dark ink, reading "A. G. Moore". The signature is written in a cursive style with a long, sweeping underline that extends to the left.

M.D., D.P.H.,  
Medical Officer of Health.

## ABSTRACT.

---

1. **Situation of the Borough.**—Latitude  $53^{\circ} 39' 7''$  N. ; Longitude  $1^{\circ} 47' 30''$  W.
2. **Elevation.**—Varies from 150 feet to 1200 feet above Sea Level.
3. **Area of the Borough.**—11,875 acres.
4. **Population.**—1921 Census, 110102 ; estimated by the Registrar General at middle of 1923, 111,600, for calculating death, mortality, and birth rates.
5. **Density of Population.**—For the Borough 9.3 persons per acre.
6. **Number of Inhabited Houses.**—27992
7. **Number of Families or Separate Occupiers.**—28323
8. **Rateable Value.**—£819,641 10s. 0d.
9. **Sum represented by 1d. Rate.**—£3,150
10. **Marriages.**—Number during the year, 1020 ; rate per 1,000 of the population, 9.17.
11. **Births.**—
 

Males	...	...	887	}	Total 1752.
Females	...	...	865		
Rate	...	...	15.75.		
12. **Deaths.**—
 

Males	...	...	699	}	Total 1404.
Females	...	...	705		
Rate	...	...	12.62.		

Annual rate of mortality, 13.11.

Mean rate during years 1914–1923, 14.37.

Total deaths from zymotic diseases, 26.

Annual rate of mortality do. 0.23.

Mean rate of mortality do. years 1914–1923, 0.49.

NOTE.—“ Rate ” = per 1,000 per annum. All rates are calculated on the Registrar General's figure.

## NATURAL AND SOCIAL CONDITION OF THE DISTRICT.

Population Census, 1921 ... .. 110,102

Estimated 1923 Registrar General's figure ... .. 111,600

Physical Features and General Character of the District, see Annual Report, 1914.

Chief Occupation of Inhabitants—Woollen Manufacturing, Engineering and Synthetic Dyes.

Poor Law Relief—Superintended entirely by the Guardians.

## SANITARY ACCOMMODATION IN HUDDERSFIELD.

	1914	1920	1921	1922	1923
Number of clean water closets, including trough closets ...	11,229	13,020*	13,481*	13,615*	14,181*
Number of waste water (slop) closets ... ..	206	201	200	200	198
Number of tub closets ... ..	15,100†	14,445†	14,257†	14,092†	12,947†
Number of tubs in use ... ..	15,457†	14,911†	14,688†	14,523†	13,378†
Number of ashpits in use ... ..	5,786†	5,298†	4,505†	3,063†	63†
Number of ashbins in use ... ..	6,214†	9,749†	8,956†	12,183†	22,137†
Number of existing privy middens ... ..	244†	214†	194†	274‡	268†

\* These figures are supplied by the Waterworks Manager.

† This information was supplied by the Scavenging Superintendent.

‡ Reason for increase, due to Census of privies being taken, and a large number found to be emptied by farmers, and not previously emptied by Corporation.

## Closet conversions during the period 1915-1923 carried out under Sanitary Notices.

Privies with fixed receptacles converted to clean water closets 67

Privies with movable receptacles converted to clean water closets 829

Slop water closets converted to clean water closets ... .. 8

NOTE.—In every case where a sufficient sewer and water supply is available, all new closets erected must be on the water carriage system, and be flushed with clean water.

## REMOVAL OF NUISANCES.

Drains requiring Re-construction	...	...	...	...	28
„ „ connecting with main sewer	...	...	...	...	2
„ not efficiently trapped	...	...	...	...	14
„ requiring Ventilation Shafts	...	...	...	...	5
Defective Sink Pipes and Drains	...	...	...	...	64
„ Yard Drains	...	...	...	...	138
„ Cellar Drains	...	...	...	...	29
„ Eave and Fall Pipes	...	...	...	...	30
„ Roofing	...	...	...	...	64
„ Urinals	...	...	...	...	2
„ Water Closets	...	...	...	...	49
„ Woodwork or Plaster round Sink	...	...	...	...	5
„ Plaster of Walls	...	...	...	...	28
„ Floors	...	...	...	...	12
„ Midden Stead	...	...	...	...	1
Waste Pipes requiring Disconnecting	...	...	...	...	40
Fall Pipes requiring Disconnecting	...	...	...	...	11
To provide Eave and Fall Pipes	...	...	...	...	1
„ Sinkstones in Houses	...	...	...	...	22
Nuisances from Water in Cellar	...	...	...	...	4
„ Street Gullies	...	...	...	...	18
„ Defective Surface of Yard	...	...	...	...	4
„ Smoke	...	...	...	...	9
„ Poultry, Pigeons, and Animals	...	...	...	...	6
Offensive Accumulations	...	...	...	...	21
„ Ashpits and Privies	...	...	...	...	5
Closets requiring Lime-washing	...	...	...	...	1
Ashpits requiring Re-construction	...	...	...	...	16
„ requiring proper doors and covering	...	...	...	...	1
Closets	„	„	„	...	2
Old Privies requiring alteration to tub or w.c. system	...	...	...	...	38
Tub Closets requiring conversion to w.c. system	...	...	...	...	468
Insufficient Closet Accommodation	...	...	...	...	23
Houses Overcrowded	...	...	...	...	5
„ Unfit for Habitation	...	...	...	...	1
„ Requiring Cleansing	...	...	...	...	4
„ Requiring Ventilation	...	...	...	...	71
„ Damp	...	...	...	...	42
Workshops requiring Lime-washing	...	...	...	...	2
Cowsheds requiring Lime-washing	...	...	...	...	2
„ „ Draining	...	...	...	...	5
„ „ Lighting	...	...	...	...	5
„ „ Paving	...	...	...	...	11
„ „ Ventilation	...	...	...	...	8
Bakehouses requiring Lime-washing or Cleansing	...	...	...	...	2
Factories requiring Fire Escape	...	...	...	...	5
Total	...	...	...	...	1324

## SUMMARY.

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTALS.
No. of Premises where Notifiable diseases have occurred ... ..	205	205	155	180	745
Do. inspected do. do.	205	205	155	180	745
Do. disinfected do. do.	105	82	65	104	356
Do. flushed do. do.	119	103	83	118	423
Do. visited searching for fever ... ..	31	19	138	203	391
Number of re-visits where cases are isolated at home	36	21	16	29	102
Do. houses visited for Zymotic or other particulars	359	344	285	413	1401
Total number of visits to infected houses ... ..	531	466	504	749	2250
Cases removed to Hospital, &c. ... ..	124	108	79	105	416
Number of Articles disinfected by Lyon's Disinfectant	1247	1102	1525	1264	5138
Number of visits in deaths from Phthisis ... ..	30	44	34	32	140
Do. Under one ... ..	38	44	27	21	130
Number of premises flushed by request of owners (paid for) ... ..	97	182	181	116	576
Other premises, yards or courts flushed ... ..	253	223	210	285	970
Drains found choked by Flushers ... ..	242	271	231	237	981
Drains made clear ... ..	234	259	221	219	933
Number of applications received to empty Ashpits and Privies ... ..	35	49	48	26	158
Do. do. do. Receptacles	8	18	12	—	38
Nuisances reported to Public Health Department ...	121	164	130	140	555
Do. inspected ... ..	121	164	130	140	555
Inspection of premises where nuisances are found ...	301	172	190	236	899
Do. premises where no nuisances are found ...	1092	494	375	361	2322
Do. premises where offensive trades are conducted ... ..	42	10	24	44	120
Do. Cellar Dwellings ... ..	1	—	2	6	9
Do. Houses let in lodgings ... ..	27	50	1	4	82
Do. Common Lodging Houses ... ..	175	115	81	83	454
Do. Workshops ... ..	277	18	39	18	352
Do. Factories ... ..	333	151	38	53	575
Do. Schools ... ..	2	43	3	54	102
Do. Slaughter Houses ... ..	114	150	123	145	532
Do. Canal Boats ... ..	11	6	11	21	49
Do. Dairies and Milkshops ... ..	22	4	2	6	34
Do. Cowsheds ... ..	24	446	273	274	1017
Do. Bakehouses ... ..	28	112	—	125	265
Do. Markets and Shops ... ..	624	446	373	458	1901
Do. Van Dwellings ... ..	154	4	124	—	282
Re-visits to work in progress ... ..	358	341	294	300	1293
Visits to property under notice ... ..	927	1345	1008	1235	4515
Total number of Inspections of Premises ... ..	4512	3907	2961	3423	14803
No. of Entries in Report Books ... ..	235	140	160	163	698
Preliminary Notices to Owners ... ..	76	34	40	80	230
Number of Legal Notices issued for abatement or abolition of nuisances ... ..	106	95	30	123	354
Owners seen personally ... ..	609	306	243	392	1550
Summonses taken out ... ..	—	—	—	—	—
Sections of New Drains tested ... ..	26	43	41	29	139
Do. and satisfactory at first test ... ..	26	43	41	29	139
Old Drains tested ... ..	36	40	39	58	173
Do. and found sound ... ..	26	25	21	35	107
Do. and found defective ... ..	10	15	18	23	66
Smoke observations taken ... ..	132	112	112	94	450
Number of visits under Food and Drugs Acts ...	102	127	54	69	352
Food and Drugs—samples purchased ... ..	91	94	62	58	305
Do. do. adulterated ... ..	7	7	1	—	15
Water Samples taken for Analysis ... ..	1	—	2	2	5
Do. polluted ... ..	—	—	—	—	—
No. of Animals inspected by Vet. Inspector ...	—	—	—	—	3125
Do. certified by Vet. Insp. to be tubercular ...	—	—	—	—	2



## DAIRIES, COWSHEDS AND MILKSHOPS.

The inspection of this class of premises which obtained during 1922, has been continued during the year under review. (*See Prefatory Letter*).

The number of visits paid by the District Sanitary Inspectors totalled 1051. At the end of the year 1923, there were in the Borough :—

Cowkeepers, who are also Milk Purveyors	...	100
Milk Purveyors only	... ..	29
Milk Shops, selling over counter	... ..	45
		174

In addition 40 Milk Purveyors who live outside the Borough are on the register.

The following short tabular statement gives the number of milch cattle inspected by the Veterinary Inspector of the Department during 1923, and shews the number of farms and cowsheds visited.

Number of Farmsteads	... ..	437
Number of Cowsheds	... ..	717
Number of Milch Cattle	... ..	3125

In the above visitation of Farms and Cowsheds the Veterinary Inspector was accompanied by an Assistant Sanitary Inspector.

## FOOD INSPECTION.

### FOOD AND DRUGS ACT, 1875 TO 1907.

#### Report of Action taken under the above-named Acts in the County Borough of Huddersfield during the year 1923.

##### 1.—ARTICLES ANALYSED.

New Milk	...	...	125	of this number 15 were certified as adulterated.
Butter	...	...	22	
Margarine	...	...	14	
Cream	...	...	4	
Preserved Cream	...	...	10	
Lard	...	...	18	
Coffee	...	...	25	
Baking Powder	...	...	11	
Arrowroot	...	...	6	
Compound Liquorice Powder	...	...	4	
Pepper	...	...	14	
Miscellaneous	...	...	53	
Total				306 of this number 15 were certified as adulterated.

##### 2.—DETAILS OF THE SAMPLES REPORTED BY THE PUBLIC ANALYST TO BE ADULTERATED.

No.	Article.	Result of Analysis.	Proceedings.
7	New Milk	Not genuine by reason of the abstraction therefrom of at least 3.33% of its milk fat or the addition thereto of water	Feb. 10th, 1923— Town Clerk wrote vendor
13	New Milk	Not genuine by reason of the abstraction therefrom of at least 4.34% of its milk fat or the addition thereto of water	Feb. 12th, 1923— Vendor saw Deputy Town Clerk and asked for an "Appeal to cow" sample to be taken.
14	New Milk	Deficient to the extent of 6.66% of its milk fat	Feb. 15th, 1923— "Appeal to cow" sample taken from bulk

"Appeal to cow" samples taken from each cow individually and from bulk. Result:—

Cow No. 1.	Sample No. 15—	Genuine.
"	2.	" 16
"	3.	" 17—10% deficiency in fat.
"	4.	" 18—Genuine.
"	5.	" 19—40% deficiency in fat.
"	6.	" 20—20% " "
"	7.	" 21—Genuine.
From bulk	"	22—6.6% deficiency in fat.

The matter was reported to the Health Committee on March 14th, 1923. There is no minute on this report.

The case was again considered at the Health Committee on April 11th, 1923, when the following resolution was passed. Resolved :  
 "That Mr. McKinna, Veterinary Inspector, to be asked to investigate the matter and report."

In addition to this resolution it was stated "That it be left with the Chairman and Deputy-Chairman to ask the Vendor to attend the next meeting of the Committee if they thought it necessary."

On May 28th, 1923, Mr. McKinna took samples of the milk with the following results :—

MIXED.			ROAN COW.		
Fat	...	4.00	Fat	...	3.1
Solids not fat		9.25	Solids not fat		9.5
Water	...	86.75	Water	...	87.4
<hr/>			<hr/>		
100.00			100.0		

Street Samples have been taken as follows :

June 7th, 1923, No. 79.			October 18th, 1923, No. 114.		
Fat	..	3.50	Fat	...	3.30
Solids not fat		8.95	Solids not fat		8.75
Water	...	87.55	Water	...	87.95
<hr/>			<hr/>		
100.00			100.0		

No.	Article.	Result of Analysis.	Proceedings.
47	New Milk	Not genuine by reason of the addition thereto of at least 1.55% of water	Further sample taken which proved genuine
48	New Milk	Not genuine by reason of the addition thereto of at least 0.71% of water	Further sample taken which proved genuine
66	New Milk	Not genuine by reason of the abstraction therefrom of at least 23.33% of its milk fat or the addition thereto of water	Case heard June 20th, 1923. Defendant fined £5.
87	New Milk	Not genuine by reason of the abstraction therefrom of at least 6% of its butter fat or the addition thereto of water	Case heard August 8th, 1923. Case dismissed
88	New Milk	Not genuine by reason of the abstraction therefrom of at least 3.3% of its butter fat and the addition thereto of at least 1.41% of water	Case heard July 25th, 1923. Defendant fined £10 and 10/6 costs.

No.	Article.	Result of Analysis.	Proceedings.
91	New Milk	Not genuine by reason of the abstraction therefrom of at least 1.66% of its butter fat or the addition thereto of water	Case heard August 8th, 1923. Case dismissed
92	New Milk	Not genuine by reason of the abstraction therefrom of at least 2.33% of its butter fat or the addition thereto of water	Case heard July 25th, 1923. Defendant fined £5.
117	New Milk	Not genuine by reason of the addition thereto of at least 4% of water	Further sample taken which proved genuine

### 3.—OFFENCES OTHER THAN ADULTERATION.—None.

### 4.—LEGAL PROCEEDINGS.

Date.	No. of Sample.	Offence charged.	Name of Defendant.	Result.
June 20 1923	66	Selling new milk which had been deprived of at least 23.33% of its fat or the addition thereto of water	J. W. for Self.	Fined £5
Aug. 8 1923	87	Selling new milk which had been deprived of at least 6% of its fat or the addition thereto of water	A. B. for J. B.	Case dismiss'd
July 25 1923	88	Selling new milk which had been deprived of at least 3.3% of its fat and to which at least 1.41% of water had been added	B. W. for M. S.	Fined £10 and 10/6 costs
Aug. 8 1923	91	Selling new milk which had been deprived of at least 1.66% of its fat or the addition thereto of water	A. B. for J. B.	Case dismiss'd
July 25 1923	92	Selling new milk which had been deprived of at least 2.33% of its fat or the addition thereto of water	B. W. for M. S.	Fined £5

# INFORMAL PROCEEDINGS.

During the year 181 samples were obtained informally, and submitted to Public Analyst for analysis. These are included in the foregoing statements.

The nature and number of the samples obtained informally were as follows :—

New Milk	...	...	...	...	...	...	—
Butter	...	...	...	...	...	...	22
Coffee	...	...	...	...	...	...	25
Dried Milk	...	...	...	...	...	...	2
Compound Liquorice Powder	...	...	...	...	...	...	4
Margarine	...	...	...	...	...	...	14
Pepper	...	...	...	...	...	...	14
Baking Powder	...	...	...	...	...	...	11
Arrowroot	...	...	...	...	...	...	6
Pure Cream	...	...	...	...	...	...	4
Preserved Cream	...	...	...	...	...	...	10
Lard	...	...	...	...	...	...	18
Miscellaneous	...	...	...	...	...	...	51
Total							181

## INVESTIGATION OF THE BACTERIOLOGICAL CONTENT OF THE MILK SUPPLY.

During the year 1922, 53 samples of milk were submitted for bacteriological examination, with the following results :—

Average number of organisms per c.c. on gelatine at room temperature							2,378,735
Maximum number of organisms per c.c. on gelatine at room temperature							10,000,000
Minimum ditto							34,000
Average number of organisms per c.c. on agar at 37° C							963,249
Maximum number of organisms per c.c. on agar at 37° C							10,000,000
Minimum ditto							11,200

Out of the total number of samples 7 caused tuberculosis in guinea pigs on inoculation.

Twenty contained micro-organisms indicating faecal contamination in 1/100 c.c. of milk.

Two guinea pigs were inoculated from each sample.

Of these 30 died from blood poisoning as the result of inoculation before the period necessary for the development of tuberculosis (if present) had elapsed.

## MILK (SPECIAL DESIGNATIONS) ORDERS, 1922 AND 1923.

No application for a License under these Orders has been made.

# PUBLIC HEALTH (MILK AND CREAM) REGULATIONS 1912 AND 1917.

Report on the Administration of the above-named Regulations in the County Borough of Huddersfield during the year 1923.

The procedure remains as last year.

The details are set out below :—

## 1.—MILK, AND CREAM NOT SOLD AS PRESERVED CREAM.

	(a) No. of samples examined for the presence of a preservative.	(b) No. in which a preservative was reported to be present.
Milk ...	125	—
Cream ...	4	—

## 2.—CREAM SOLD AS PRESERVED CREAM.

(a) Instances in which the samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct :—

1. Correct statements made	...	...	10
2. Statements incorrect	...	...	...
Total	...	...	10

Sample No.	Percentage of Preservative found in each sample.	Percentage stated on Statutory label.
66	0.00% of Boric Acid.	Not exceeding 0.4%.
69	0.11%	" "
128	0.28%	" "
129	0.28%	" "
141	0.22%	" "
142	0.21%	" "
147	0.25%	" "
179	0.02%	" "
180	0.068%	" "
181	0.065%	" "

(b) Determinations made of milk fat in cream sold as preserved cream :—

1. Above 35 per cent.	...	...	10
2. Below 35 per cent.	...	...	...
Total	...	...	10

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1), and the proviso in Article V. (2) of the Regulations have not been observed.—None.

(d) Particulars of each case in which the Regulations have not been complied with, and action taken.—None.

## 3.—THICKENING SUBSTANCES.

Any evidence of their addition to cream or to preserved cream.  
Action taken where found.—None.

## 4. OTHER OBSERVATIONS.—None.

No preservatives or colouring matters were found.

**MEAT INSPECTION.**

There are ten Private Slaughter Houses still in the Borough and one Knacker's Yard. The whole of the ten Slaughter Houses are licensed, as is also the Knacker's Yard.

	In 1914	In January, 1922.	In January, 1923.
Registered ...	—	...	...
Licensed ...	13	10	10
Total ...	13	10	10

There is also a Public Abattoir. Constant supervision is kept at the Abattoir during killing hours and the Private Slaughter Houses are visited by the District Inspectors when killing is likely to be taking place.

The number of carcasses condemned wholly or partly was 83 and 48 respectively, these were as follows :—

**Carcases Wholly or Partly Condemned and Destroyed.****Table A.**

Animals.	Wholly.	Partly.	Totals.
Cows ... ..	12	15	27
Heifers ... ..	2	4	6
Bullocks ... ..	1	5	6
Calves ... ..	24	—	24
Sheep ... ..	13	2	15
Pigs ... ..	31	22	53
	83	48	131

The diseases found in the carcasses in the Public Abattoir and throughout the Borough are enumerated in Table B.

**Table B.**

Disease.	Cows.	Bullocks.	Heifers.	Calves.	Pigs.	Sheep.	Totals.
Tuberculosis ... ..	22	4	4	—	29	—	59
Jaundice ... ..	1	—	—	4	8	—	13
Peritonitis ... ..	1	—	—	—	3	—	4
Pyæmia ... ..	1	—	—	2	—	1	4
Moribund (Accidents)	1	2	2	18	8	10	41
Emaciation ... ..	1	—	—	—	—	3	4
Swine Erysipelas ...	—	—	—	—	5	—	5
Strongylus Rufescens	—	—	—	—	—	1	1
	27	6	6	24	53	15	131

**Table C.**

The total weight of meat, unwholesome, or unsound, and destroyed was as follows :—

Beef	...	...	...	...	11,930 lbs.
Mutton	...	...	...	...	1,128 lbs.
Pork	...	...	...	...	5,004 lbs.
Veal	...	...	...	...	1,565 lbs.
Offals	...	...	...	...	7,640 lbs.
					<hr/> 27,267 lbs. <hr/>

**Other Articles of Food.**

Rabbits	...	...	...	...	133½ lbs.
Fish	...	...	...	...	360 lbs.
Fruit	...	...	...	...	1,052 lbs.
Tinned Foodstuffs	...	...	...	...	1,400 lbs.
Bacon	...	...	...	...	278 lbs.
Sausages	...	...	...	...	72 lbs.
Cockles	...	...	...	...	2 bags.



## TABLE D.

Shewing the Number of Animals Slaughtered, also Carcases Condemned in the Public Abattoir (1), and Private Slaughter Houses (2).

MONTHS.		1-PUBLIC ABATTOIR.										2-PRIVATE SLAUGHTER HOUSES.											
		ANIMALS SLAUGHTERED.					CARCASSES CONDEMNED.					WEIGHT OF CONDEMNED CARCASSES.					ANIMALS SLAUGHTERED.						
		Cattle.	Calves.	Pigs.	Sheep.	Totals.	Cattle.	Calves.	Pigs.	Sheep.	Totals.	Lbs.	Cattle.	Calves.	Pigs.	Sheep.	Totals.	Lbs.	Cattle.	Calves.	Pigs.	Sheep.	Totals.
1923																							
January ...	749	296	823	1844	3712	1	—	2	—	3	560	—	232	—	—	—	812	118	20	354	212	694	
February ..	579	285	561	1459	2884	—	2	1	—	3	—	146	112	—	—	—	258	—	—	—	—	—	
March ...	593	433	594	1403	3023	—	1	1	2	4	—	106	98	189	393	107	9	377	153	646			
April ...	571	409	503	1464	2947	2	4	2	2	10	1094	277	240	124	1735	—	2	26	—	—	—	28	
May ...	737	309	653	2146	3845	2	3	2	1	8	1050	270	210	75	1605	34	3	379	83	499			
June ...	598	170	437	1909	3114	—	1	1	—	2	—	50	75	—	125	19	2	147	49	217			
July ...	477	130	250	2006	2863	—	1	2	—	3	—	74	224	—	298	64	7	22	112	205			
August ...	688	185	383	2663	3919	2	1	1	2	6	1148	70	192	210	1620	38	2	203	100	343			
September	543	166	466	1668	2843	1	—	1	—	2	528	—	272	—	800	—	—	—	—	—	—		
October ...	573	162	529	1614	2878	2	4	—	2	8	1172	211	—	180	1563	61	7	238	149	455			
November...	758	207	712	1977	3654	3	3	—	1	7	1600	187	—	78	1865	15	2	18	34	60			
December	585	177	1174	1351	3287	2	4	4	3	13	1182	203	1032	172	2589	25	7	222	71	325			
	7451	2929	7085	21504	38969	15	24	17	13	69	8334	1594	2707	1028	13663	471	61	1946	963	3481			

PRIVATE SLAUGHTER HOUSES.—No. of Carcases Condenned, 14; Weight of Condenned Carcases, 1904 Lbs.

## FACTORIES, WORKSHOPS, WORKPLACES, AND HOMEWORK.

### 1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or  
Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions
<b>Factories</b> ... ..	575	51	...
(Including Factory Laundries) ...			
<b>Workshops</b> ... ..	617	8	...
(Including Workshop Laundries) ...			
<b>Workplaces</b> ... ..			
<b>Total</b> ... ..	1192	59	...

### 2.—DEFECTS FOUND.

Particulars	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts* :—</i>				
Want of cleanliness ... ..	...	...	...	...
Want of ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances, including emission of black smoke ... ..	...	...	...	...
Sanitary accommodation {	insufficient ... ..	1	1	...
	unsuitable or defective ... ..	73	55	...
	not separate for sexes ... ..	2	2	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouses (S. 101) ... ..	...	...	...	...
Breach of special sanitary require- ments for bakehouses (SS. 97 to 100) ... ..	1	1	...	...
Other offences, including escape in case of fire ... ..	6	6	...	...
(Excluding offences relating to out- work which are included in Part 3 of this Report).				
Total ... ..	83	65	...	...

\* Including those specified in sections 2, 3, 7, and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

### 3.—HOME WORK.

Class.		Lists.	Number of	
			Out-workers.	
			Con-tractors.	Workmen
List of Outworkers (S. 107) :—				
List received from Employers twice per year	...	2	...	4
“ “ “ “ once “	...	1	1	...
Prosecutions	... ..		...	
Outwork in unwholesome premises (S. 108)				
Cases of infectious diseases notified in home workers' premises	... ..		Nil.	
Orders prohibiting homework in infected premises (S.110)	... ..			

### 4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year.

Important classes of workshops, such as workshop bake-houses, may be enumerated here.	Clothing and similar trades	...	...	207
	Leather	...	...	127
	Iron and Tin	...	...	91
	Wood	...	...	78
	Lead and Paint	...	...	65
	Jewellery	...	...	32
	Bakehouses	...	...	127
	Miscellaneous Trades and Manufactures	...	...	146
Total number of Workshops on Register				873

### 5.—OTHER MATTERS.

Matters notified to H.M. Inspector of Factories :—

Failure to affix Abstract of the Factory and Workshop Acts (S. 133, 1901)	...	...	...	...	1
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (S. 5, 1901)	{	Notified by H.M. In-			
		spector	...	...	17
		Reports (of action taken) sent to H.M. In-			
		spector	...	...	17
Other	...	...	...	...	—
Underground Bakehouses (S. 101) :—					
Certificates granted during the year	...	...	...	...	—
In use at the end of the year	...	...	...	...	6

## CLASSIFIED LIST OF WORKSHOPS.

	On Register Dec. 31st, 1922.		Added during 1923.		Removed during 1923.		Remaining Dec. 31st, 1923.	
	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.
Dress and Mantle Makers and Milliners, Tailors, Waterproof Manufacturers, &c. ... ..	143	64	5	1	7	7	141	58
Boot and Shoe Makers, Cloggers, Saddlers and Carriers ... ..	57	74	—	—	2	2	55	72
Black. Shoeing. Tin, and White Smiths; Cycle Repairs, &c. ... ..	50	42	2	—	1	2	51	40
Joiners, Cabinet Makers, Wood Carvers, Picture Framers and Gilders ... ..	34	29	—	—	2	—	32	29
Plumbers, Painters and French Polishers ... ..	39	28	1	1	2	2	38	27
Coopers, Carriage Builders, and Wheelwrights Watchmakers, Jewellers, Engravers, and Electrical Engineers ... ..	10	8	—	—	1	—	9	8
Rug Makers and Rag and Wool Sorters ... ..	24	6	2	—	—	—	26	6
Upholsterers, Basket and Brush Makers ... ..	23	6	1	—	—	—	24	6
Hosiery Knitters, Shirt Makers, and Laundries Monumental Sculptors ... ..	24	4	4	1	2	—	26	5
Organ Builders, Piano Repairers, &c. ... ..	4	4	—	—	—	—	4	4
Tripe Dressers ... ..	1	4	—	—	—	—	1	4
Bakchouses ... ..	5	1	—	—	—	1	5	—
Manufacturing Chemists; Mattress, Corset, Blind, and Waggon Cover Makers; Wire Workers, Tea Packers, Teazle Trimmers, Rope Makers, Tallow Chandlers, &c., &c. ... ..	6	1	—	—	—	—	6	1
	44	75	—	9	—	1	44	83
	46	19	3	1	—	1	49	19
	510	365	18	13	17	16	511	362
	875		31		33		873	

## CANAL BOATS ACTS, 1877 and 1884.

### Huddersfield Registration District.

(1). Arrangements made for the inspection of boats, the name, address, and remuneration of the Inspector.

Ernest Richardson, Public Health Department, Huddersfield, was appointed Inspector of Canal Boats on the 10th day of October, 1917, and the remuneration for the work is included in his salary as Sanitary Inspector.

(2). The number of boats inspected during 1923, was 32, and of inspections 45.

The 32 boats were made up of 11 broad boats, 6 narrow and 15 fly boats, the last being all broad boats.

The places of registry were :—Goole, 15 ; Mirfield, 10 ; Huddersfield, 7. The whole of the boats inspected were found in good condition and conforming to the Acts and Regulations, and the occupants of all the boats in good health.

(3). Infringements of the Acts and Regulations with respect to the following matters :—

(a) Masters, without certificates.—None.

(b) Cleanliness.—None.

(c) Provision of water casks.—None.

(d) Removal of bilge water. This work receives regular attention.

Matters of cleanliness of minor moment have received prompt attention at the instigation of the Inspector.

(4) Number of boats on the register—Ten. Propelled by motor—None.

(5). Number registered during 1923—None.

In all other respects the boats were in order.

E. RICHARDSON,  
Inspector under the Canal Boats Acts.

Public Health Department,  
Huddersfield,

January 30th, 1924.

## CANAL BOATS ACTS, 1877 AND 1884.

Summary Appendix to the Annual Report of the Canal Boats  
Inspector for the year 1923.

	1923	1922	1921
Number of boats inspected	32	38	35
Made up of Broad Boats	11	14	16
Broad Fly Boats	15	23	10
Narrow Boats ..	6	1	9
Narrow Fly Boats	..	..	..
Registered Accommoda- tion—Aft Cabin ..	135	197	147½
Centre Cabin ..	..	..	..
Fore Cabin ..	91½	165½	108
	226½	362½	255½
Population found on board			
Adults .. ..	47	86	45
Children .. ..	..	5	..
Children under school age	None	5	None
Number of children of school age .. ..	None	None	None
Number of days on which inspections have been made .. .. .	17	25	14
Number of inspections made .. .. .	45	60	51
Number of boats conform- ing to Acts and Regula- tions .. .. .	32	38	35

**HOUSING.**

The average annual rate of building new houses, previous to 1914, was 320 per annum. During the five years preceeding 1920 the average number of new houses per year was at the rate of 47. The number of new houses completed by the Corporation in 1923 was 98, and by private enterprise 135, making a total of 233.

The Corporation have a scheme for building 1,500 houses under the Housing and Town Planning Act. The following list shews the number of houses erected by the Corporation and in course of erection since 1914 :—

1914	...	...	...	163
1915	...	...	...	20
1916	...	...	...	27
1919	...	...	...	100
1920	...	...	...	118
1921	...	...	...	61
1922	...	...	...	135
1923	...	...	...	186
Total				810

The following statement shews the number of plans submitted and houses erected during 1923 by private enterprise, in addition to those dealt with by the Sanitary Authority :—

Number of plans for dwelling-houses submitted from Jan.					
1st to December 31st, 1923 by private persons					335
Number of these houses in course of erection					205
Number not being proceeded with					87
Number of these houses certified for occupation					
(plans approved 1923)					43
Do.	do.	(plans approved 1921-1922)	92	135*	

\*Of the dwellings certified for human habitation and erected by private enterprise during 1923, 97 were suitable for members of the Artisan class.

\*This information was kindly furnished by the Borough Architect.

**APPENDICES.****HOUSING CONDITIONS.**

Statistics.— Year ended 31st December, 1923.

**1.— GENERAL.**

(1)	Estimated population	...	...	...	...	111,600
(2)	General death-rate	...	...	...	...	12.62
(3)	Death-rate from Tuberculosis	...	...	...	...	1.19
(4)	Infantile Mortality	...	...	...	...	72
(5)	Number of dwelling-houses of all classes	...	...	...	...	28,656
(6)	Number of working-class dwelling-houses	...	...	...	...	25,529
(7)	Number of new working-class houses erected	...	...	...	...	195



## 2.—UNFIT DWELLING-HOUSES.

## I.—Inspection :—

(1)	Total number of dwelling-houses inspected for housing defects under Public Health or Housing Acts	...	...	...	...	...	...	45
(2)	Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of Districts) Regulations, 1910	...	...	...				45
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...			3
(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...	...	...	...			41

## II.—Remedy of Defects without service of formal notice :—

	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or its officers	...	...	...	...			14
--	---	-----	-----	-----	-----	--	--	----

## III.—Action under Statutory Powers :—

## A.—Proceedings under Section 28 of the Housing, Town Planning, etc. Act, 1919.

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs	...						83
(2)	Number of dwelling-houses which were rendered fit :—							
	(a) By owners (notices for which were served in 1920 and 1923)...	...						84
	(b) By Local Authority in default of owners	...	...	...	...			—
(3)	Number of dwelling-houses in respect of which closing orders became operative in pursuance of declarations by owners of intention to close	...	...	...	...	...	...	—



B.	Proceedings under Public Health Act	...	...	--
C.	Proceedings under Sections 17 and 18 of the Housing, Town Planning, etc. Act, 1909 :			
(1)	Number of representations made with a view to the making of Closing Orders	...	...	3
(2)	Number of dwelling-houses in respect of which Closing Orders were made	...	...	2
(3)	Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling- houses having been rendered fit	...	...	5
(4)	Number of dwelling-houses in respect of which Demolition Orders were made	...	...	—
(5)	Number of dwelling-houses demolished in pursuance of Demolition Orders	...	...	—

### 3.—UNHEALTHY AREAS.

Areas represented to the Local Authority with a view to Improvement Schemes under (a), Part I., or (b), Part II. of the Act of 1890	...	...	...	...	—
---	-----	-----	-----	-----	---

Staff engaged on Housing, with, briefly, the duties of each Officer :—

Two Inspectors engaged solely on Housing Work.

# HOUSING AND TOWN PLANNING, ETC., ACT, 1909. Report of Work done from May 1st, 1911, to December 22nd, 1923.

Year.	No. of inspections from month to month.	No. of houses re-inspected.	No. of defects found.	No. of houses involved.	No. of defects remedied without notice.	No. of defects remedied after letter, P.H. Act 1875.	No. of defects remedied after Legal Notice, P.H. Act 1875.	No. of defects remedied after letter, H.T.P. Act 1909.	No. of defects not remedied.	REMARKS.
1911	367	—	939	303	73	16	515	321	14	The whole of these defects are at Bradley Mills.
1912	460	—	1258	435	1	—	181	1076	—	
1913	771	—	1956	709	—	—	1	1803	152	
1914	294	30	1328	292	—	—	—	1224	104	16 of these defects are at Bradley Mills
1915	249	27	996	232	—	—	—	965	31	
1916	288	—	1254	276	—	—	11	1238	5	
1917	220	—	854	209	—	—	31	794	29	
1918	53	—	301	52	—	—	13	253	35	
1919	46	—	345	46	—	—	6	302	37	
1920	38	22	367	38	—	—	—	277	90	
1921	24	—	218	24	1	3	—	29	185	
1922	85	307	1436	369	20	—	—	173	1243	
1923	45	—	173	44	6	—	—	106	61	
	2940	386	11425	3029	101	19	758	8561	1986	

Number of houses inspected ... 2940  
 Number of houses re-inspected ... 386  
 Number of houses in which defects were found ... 3029  
 Number of houses in which no defects were found ... 297  
 Number of houses in which defects were wholly remedied ... 2500  
 Number of houses in which defects were partially remedied ... 165

Number of houses in which none of the defects were remedied ... 364  
 Total number of defects found ... 11425  
 Number of defects remedied ... 11425  
 Total number of defects not remedied ... 9439  
 Percentage number of defects remedied ... 1986  
 Percentage number of defects remedied ... 82.617

**TABLE SHOWING THE CASE MORTALITY (*i.e.* Number of Deaths per 100 Cases) among Patients suffering from Scarlet Fever, Diphtheria and Typhoid Fever, treated in the Mill Hill Sanatorium, and among cases of the same diseases treated at home, from the Opening of the Hospital, April, 1899, to the end of 1923.**

Disease.	Cases Notified.	Removed to Hospital.	Cases Treated at Home.	Mortality per cent. in Hospital.	Mortality per cent. at Home.
Scarlet Fever ...	7458	7078	380	2.27	6.05
Diphtheria ...	2755	2361	394	7.37	25.63
Typhoid Fever ...	818	635	183	15.04	42.08

## NURSING ARRANGEMENTS, HOSPITALS AND OTHER INSTITUTIONS IN THE DISTRICT.

**Professional Nursing** for sick infants in the home was provided by the Queen Victoria Nursing Association.

**Midwives** are not employed or subsidised by the Sanitary Authority. In the year under review, 29 midwives—24 trained and 5 untrained—notified their intention to practise in the Borough.

Altogether there were 1,251 out of a total of 1,728 notified births attended by midwives. A doctor was present in 530 of these cases, being engaged beforehand in 382 instances and sent for on account of abnormalities in 148 cases. The midwives undertook 721 cases without medical aid.

### **Clinics and Treatment Centres.**

Consultation for infants is held one afternoon weekly at the Public Health Department, where infants are weighed and examined, and advice given as to their feeding and care—1,316 attendances were made during the year.

Ante-natal clinics are not held (but *vide* post notification of pregnancy).

### **School Clinic.**

This is conducted on the premises of the Public Health Department, is open each afternoon for the treatment of minor ailments, and two half-days a week and by special appointment for consultations and examinations. Two clinic rooms and one waiting room is provided, with an additional waiting room on the premises of the Congregational Church for special days. The clinic is maintained by the Education Authority, and is under the superintendence of the Medical Officer of Health, co-operation with the Public Health Department is therefore complete.

### **Tuberculosis.**

One dispensary is provided by the Sanitary Authority at which two clinics are held weekly. The Medical Officer of Health is the Chief Tuberculosis Officer, and is assisted by the Assistant Medical Officers of Health. The least satisfactory feature of this phase of the Public Health Work is the late period at which notifications of Tuberculosis are received. During the period under review, all the

entries in the death returns of persons who had died from Tuberculosis had been notified to the Sanitary Authority previously. The total number of deaths from Tuberculosis was 133.

### **Venereal Diseases.**

The Huddersfield Royal Infirmary is used as the treatment centre for Venereal Diseases. Four clinics are held weekly—two for males and two for females. Four beds are provided for in-patients—two in a male ward and two in a female ward.

Two Medical Officers take charge of the clinic—Doctor A. L. McCully for the male department and Doctor J. C. Miller for the female department. An additional part-time staff is provided consisting of nurse, clerk, dispenser and male attendant.

The number of cases from the County Borough of Huddersfield, who attended the clinic during the period under review, were 256 males and 166 females, total 422.

## **HOSPITALS AND INSTITUTIONS.**

### **(1) Tuberculosis.**

A residential institution—Bradley Wood Sanatorium—is superintended by the Medical Officer of Health, Mr. R. C. Poyser, M.R.C.S., was Resident Medical Officer during the period under review.

The main block of the Sanatorium contains 44 beds for adult cases of Pulmonary Tuberculosis. Accommodation is not provided for the treatment of Non-Pulmonary Tuberculosis in adults. One block of the Sanatorium—built and equipped by the late John Sykes, Esq., and maintained by the Sanitary Authority—contains 24 beds for Surgical Tuberculosis in children.

### **(2) Maternity.**

A pavilion in the grounds of the Mill Hill Sanatorium is equipped for a Maternity Ward of 12 beds. Cases are received when the accommodation at home is not suitable for the confinement.

The Sanitary Authority has provided no institution or scheme for dealing with unmarried mothers. This is dealt with on a small scale, voluntarily, at St. Katherine's Hostel, King's Mill Lane.

Abnormal cases of confinement are admitted to the Royal Infirmary.

### (3) **Infectious Diseases.**

The Mill Hill Sanatorium, Dalton, for Infectious Diseases, is equipped with 132 beds in four pavilions—they are interchangeable.

### (4) **Small-Pox.**

The Whitehouse Farm Small-Pox Hospital, Dalton, contains 40 beds.

### **Ambulance Facilities.**

(a) Two Motor Ambulances are provided by the Sanitary Authority for the removal of Infectious cases.

(b) The Watch Committee provide Ambulances for Non-Infectious and Accident cases.

### **Laboratory Work.**

The Laboratory at the Public Health Department has been of service both in the Preventative and Clinical Work of the Department. During the year 1,287 specimens were examined. Of these 47.48% were received from private practitioners, 14.15% from the Mill Hill Sanatorium, 20.89% from the Bradley Wood Sanatorium, 0.46% from the Huddersfield Royal Infirmary, and the balance forming 17.02% representing various specimens obtained by one or other member of the staff of the Public Health Department in the course of routine duty.

## **MATERNITY AND CHILD WELFARE.**

A scheme of voluntary notification of pregnancy was instituted in 1916. During the period under review, 579 notifications were received.

Each case is visited by an Assistant Medical Officer of Health and subsequent re-visits are made where necessary. Advice is given and where medical treatment is considered necessary, the patient is referred to her family doctor.

All notified births are visited and re-visited by the Assistant Medical Officers of Health as soon as possible after the notification of birth.

Sick babies were nursed continuously in their own homes by the Queen Victoria Nurses under the direction of the family doctor in a certain number of cases.

Three home helps (housekeepers) are employed to take over the household duties in the homes of puerperal cases, and two daily assistants (cleanwomen) for washing and heavy cleaning.

#### **Puerperal Fever.**

Five cases of Puerperal Fever were notified during 1923 and each case was investigated. The death rate from this disease was 0.04.

#### **Epidemic Diarrhœa.**

The number of cases notified in pursuance of the Huddersfield Corporation Act, 1889, Section 65, was 11. Three notifications referred to infants under one year of age, and the remaining eight to infants between the age of one and five years. Four deaths occurred from this disease, giving a death-rate of 0.36.

#### **Whooping Cough.**

This is not recognised by the Sanitary Authority as a notifiable disease. The death rate for the year was 0.05.

#### **Ophthalmia Neonatorum.**

Notified.	CASES.		Vision Unimpaired.	Vision Impaired.	Total Blindness.	Deaths.
	At Home.	In Hospital.				
13	13	—	11	1 Slight L. Eye	—	1 From Specific Disease

Each case of Ophthalmia Neonatorum is visited forthwith by an Assistant Medical Officer of Health, who ensures that medical treatment is forthcoming.

### **SANITARY ADMINISTRATION.**

Staff (exclusive of School Medical Service):—

Medical Officer of Health.

Three Assistant Medical Officers of Health.

Chief Sanitary Inspector.

Five Assistant Inspectors.

Two Inspectors under the Housing and Town Planning, etc., Act, 1909.

Infectious Disease Officer.

Five Clerks.

Three Home Helps.

Two Daily Assistants.



The work of the Sanitary Inspector includes : -

- (a) Inspection of Nuisances under the Public Health Act, 1875.
- (b) Inspection under the Housing, Town Planning, etc., Act, 1909.
- (c) Food Inspection under the Food and Drugs Act, 1875 and 1907, and Milk and Cream Regulations, 1912.
- (d) Inspection of Factories, Workshops, Workplaces and Home-work.
- (e) Inspection under the Canal Boats Acts, 1877 and 1884.

### LEGAL ACTS IN FORCE IN THE DISTRICT.

Waterworks	...	<b>Huddersfield Water Act, 1869.</b> Waterworks Act, 1871.
Highways	...	<b>Huddersfield Improvement Act, 1871.</b> Highways, New Streets, Buildings, etc.
Health	...	Sanitary arrangements.
Health	...	<b>Huddersfield Waterworks and Improvement Act, 1876.</b> Hospitals and Infectious Diseases.
Health	...	<b>Huddersfield Improvement Act, 1880.</b> Infectious Diseases. Conversion of Closets.
Health	...	<b>Huddersfield Corporation Act, 1906.</b> Infectious Diseases.
Health	...	<b>Huddersfield Corporation Act, 1906.</b> Milk Supply and Ice Cream.
Health	...	<b>Huddersfield Provisional Order, 1915.</b> Conversion of Closets.
Health	...	<b>Huddersfield Corporation Act, 1906, Sec. 55.</b> Provision of galvanized iron dust bins in lieu of ashes places.
		<b>Public Health Act, Amendment Act, 1890, Section 22 adopted.</b> Sanitary Accommodation in Factories, Workshops and Workplaces.



YEAR.	Burens.			Total Deaths registered in the District.			Transferable Deaths.			Nett Deaths belonging to the District.		
	Nett.											
	Population estimated to be in life of each year.	Un-corrected Number.	Number.	Rate.	Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.	Rate per 1,000 nett Births.	Number.	Rate.
1	2	3	1	5	6	7	8	9	10	11	12	13
1911	108144	2126	2122	19.69	1664	15.44	84	55	281	132	1635	15.17
1912	109512	2030	2056	18.84	1540	14.11	94	61	199	97	1507	13.81
1913	110882	2196	2196	19.50	1681	14.92	101	84	227	103	1664	14.77
1914	112265	2030	2030	18.08	1690	15.05	104	63	227	112	1649	14.69
1915	112265	1940	1935	17.29	1796	16.05	90	124	212	109	1830	16.35
1916	115390	1905	1906	17.20	1747	15.71	156	83	198	103	1674	15.11
1917	107969	1646	1650	15.29	1475	13.29	123	79	132	80	1431	13.29
1918	105818	1575	1575	13.35	1737	16.41	105	130	158	100	1762	16.65
1919	105346	1519	1519	12.66	1701	15.81	107	98	144	95	1692	15.81
1920	112301	2106	2102	18.02	1546	13.81	111	62	169	80	1497	13.37
1921	116776	2040	2049	17.60	1607	13.8	126	70	178	87	1481	12.72
1922	111900	1837	1827	16.38	1503	13.47	101	67	137	74	1469	13.17
1923	111600	1752	1752	15.75	1459	13.11	115	60	126	72	1404	12.62

Area of District in acres )  
 (land and inland water) ) 11875.

Total population at all ages .. 110102 ) At Census of 1921.  
 Total families or separate occupiers .. 27846 )

# TABLE B.

Cases of Infectious Diseases notified during the year 1923.

Notifiable Diseases.	Cases notified in whole District.						Total Cases notified in each Township.						No. of Cases removed to Sanatorium from each Township.						Total Cases removed to the Sanatorium from inside the Borough.					
	At Ages—Years.						1						1											
	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	Huddersfield (including Central, Marsh, Fartown, Deighton and Bradley).						Huddersfield (including Central, Marsh, Fartown, Deighton and Bradley).											
							(H)	Dalton	Almondbury.	(W).	Lindley.	Longwood.	(H)	Dalton.	Almondbury.	(W).	Lindley.	Longwood.						
Anthrax .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria, including Membranous croup...	76	3	12	40	11	10	..	41	4	11	12	4	4	4	38	4	4	11	3	4	..	..	..	71
Erysipelas .....	46	1	..	3	5	31	6	31	4	2	3	2	4	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	170	..	27	103	24	16	..	110	11	10	7	19	13	..	103	11	10	7	20	..	11	162	..	
Enteric Fever .....	18	..	1	3	5	9	..	7	2	2	5	..	2	..	6	2	2	4	..	..	2	16	..	
Puerperal Fever .....	5	..	..	..	1	4	..	3	1	1	..	..	..	..	1	1	..	..	..	..	..	..	2	
Diarrhoea (In Infants under 5 years of age)	11	3	8	..	..	..	..	5	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	
Ophthalmia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Neonatorum ..	13	13	..	..	..	..	..	8	1	1	3	..	..	..	..	..	..	..	..	..	..	..	..	
Acute Poliomyelitis ..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pneumonia .....	148	9	20	26	14	71	8	93	9	19	20	1	6	..	..	..	..	..	..	..	..	..	..	
Encephalitis Lethargica	3	..	..	..	1	2	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Small Pox .....	2	..	..	..	1	1	..	1	..	..	..	1	..	..	1	..	..	..	1	..	..	..	2	
Cerebro Spinal Meningitis...	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	1	
Pulmonary (M .....	106	..	..	25	21	60	..	65	4	6	26	2	3	..	52	5	4	12	2	5	80	..		
(F .....	62	..	..	11	19	31	1	36	5	7	10	1	3	..	25	5	7	5	..	1	43	..		
Total..	168	..	..	36	40	91	1	101	9	13	36	3	6	..	77	10	11	17	2	6	123	..		
Tuberculosis:—																								
(M ..	46	..	8	16	12	10	..	29	3	6	7	1	..	..	12	1	3	4	..	1	21	..		
(F ..	37	2	3	13	6	13	..	22	2	5	4	2	2	..	13	1	1	3	..	..	18	..		
Total	83	2	11	29	18	23	..	51	5	11	11	3	2	..	25	2	4	7	..	1	39	..		
Totals .....	745	31	79	241	121	258	15	454	47	73	101	33	37	..	251	30	38	47	26	24	416	..		

Isolation Hospital, name and situation—Huddersfield Sanatorium, Dalton } Total available beds, 153.  
Sanatorium for Tuberculosis—Bradley Wood, Bradley

### TABLE C.

### Causes of, and Ages at Death during the Year 1923.

CAUSES OF DEATH.		Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.										Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.				
		All Ages. 2	Under 1. 3	1 and under 2. 4	2 and under 5. 5	5 and under 15. 6	15 and under 25. 7	25 and under 45. 8	45 and under 65. 9	65 and upwards. 10	Infirmary. 11	Sanatorium. 12	Workhouse. 13	Private Surgical Homes. 14	Total in Institutions. 15	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1 causes—Certified . . . . .	Uncertified . . . . .	1404 ..	126 ..	26 ..	15 ..	36 ..	57 ..	202 ..	436 ..	506 ..	158 ..	31 ..	138 ..	6 ..	333 ..	
Enteric Fever . . . . .		5	..	..	..	2	..	2	1	..	..	4	..	..	4	
Small Pox . . . . .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Eanthrax . . . . .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles . . . . .		4	2	1	1	..	..	..	..	..	..	..	..	..	..	
Scarlet Fever . . . . .		3	..	..	1	..	..	..	..	..	..	..	..	..	..	
Whooping Cough . . . . .		6	2	2	1	1	1	1	..	..	..	2	..	..	2	
Diphtheria and Croup . . . . .		4	..	..	1	3	..	..	..	..	..	..	..	..	..	
Influenza . . . . .		27	..	..	..	..	6	9	8	4	1	..	2	..	3	
Erysipelas . . . . .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Phthisis (Pulmonary Tuberculosis) . . . . .		99	..	..	..	3	20	45	28	3	2	16	10	..	28	
Tuberculous Meningitis . . . . .		14	1	3	3	4	3	..	..	..	2	1	..	..	3	
Other Tuberculous Diseases . . . . .		20	1	2	..	3	4	5	5	..	5	1	1	..	7	
Cancer, malignant disease . . . . .		163	1	1	..	..	1	21	85	54	18	..	15	1	34	
Pneumatic Fever . . . . .		2	..	..	..	..	..	2	..	..	..	..	..	..	..	
Encephalitis . . . . .		4	1	1	..	..	2	..	..	..	..	..	..	..	..	
Organic Heart Disease . . . . .		141	..	..	..	2	4	23	55	57	1	1	..	..	2	
Bronchitis . . . . .		142	16	4	..	2	..	11	28	81	4	..	4	1	9	
Pneumonia (all forms) . . . . .		81	14	9	3	3	2	17	19	14	11	1	1	..	32	
Chronic Pneumonia . . . . .		30	11	7	2	..	2	2	5	1	3	..	..	..	13	
Other diseases of respiratory organs . . . . .		10	..	..	..	1	..	..	5	4	2	..	..	..	3	
Gastroenteritis and Enteritis . . . . .		6	3	..	2	..	..	..	..	1	..	..	..	..	2	
Appendicitis and Typhlitis . . . . .		5	..	..	..	1	2	2	..	..	8	..	..	..	8	
Cirrhosis of Liver . . . . .		7	..	..	..	..	..	..	7	..	..	..	1	..	1	
Alcoholism . . . . .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Nephritis & Bright's Disease . . . . .		66	..	..	..	..	..	13	32	21	..	..	..	..	..	
Interperal Fever . . . . .		1	..	..	..	..	..	1	..	..	1	..	3	..	5	
Other accidents and diseases of Pregnancy & Parturition . . . . .		10	..	..	..	..	1	9	..	..	5	1	..	1	7	
Constitutional Debility and Malformation, including Premature Birth . . . . .		57	57	..	..	..	..	..	..	..	2	2	2	..	6	
Violent Deaths, excluding Suicide . . . . .		39	2	2	2	2	3	10	10	8	28	..	2	..	30	
Suicide . . . . .		15	..	..	..	..	2	1	9	3	2	..	..	..	2	
Other Defined Diseases . . . . .		473	26	1	1	9	6	30	144	256	62	..	67	3	132	
Diseases ill-defined or unknown . . . . .		..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Totals . . . . .		1404	126	26	15	36	57	202	436	506	158	31	138	6	333	
ab-tries	Cerebro-spinal Meningitis . . . . .	1	..	..	..	..	1	..	..	..	..	1	..	..	1	
cluded above	Pneumonia (other than Broncho-pneumonia) . . . . .	51	3	2	1	3	..	15	14	13	8	1	1	..	10	
ures.																

TABLE D.

## Infant Mortality during the Year 1923.

Nett Deaths from stated causes at various ages under One Year of Age.

CAUSES OF DEATH.				Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks & under 3 months.	3 months & under 6 months.	6 months & under 9 months.	9 months & under 12 months.	Total Deaths under 1 Year.
All Causes —													
Certified .. ..	50	4	11	3	68	19	9	14	16	126			
Uncertified .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Small Pox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .. ..	..	..	..	..	..	..	..	..	..	1	1	..	2
Scarlet Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Croup .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough .. ..	..	..	..	..	..	..	..	..	1	..	1	..	2
Diarrhoea .. ..	..	..	1	..	1	..	..	..	..	..	..	..	1
Enteritis .. ..	..	..	..	1	1	1	..	..	..	..	..	..	2
Tuberculous Meningitis .. ..	..	..	..	..	..	..	..	..	2	..	..	..	2
Abdominal Tuberculosis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases .. ..	..	..	..	..	..	..	..	..	..	..	1	..	1
Congenital Malformations .. ..	8	..	1	..	9	2	..	..	..	..	..	..	11
Premature birth .. ..	24	3	1	1	29	1	..	..	..	..	..	..	30
Atrophy, Debility and Marasmus .. ..	8	..	4	..	12	..	..	1	..	..	..	..	13
Atelectasis .. ..	1	..	..	..	1	1	..	..	..	..	..	..	2
Injury at birth .. ..	2	..	..	..	2	..	..	..	..	..	..	..	2
Erysipelas .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis .. ..	..	1	..	..	1	..	..	..	..	..	..	..	1
Rickets .. ..	..	..	..	..	..	..	..	..	..	..	1	..	1
Meningitis ( <i>not Tuberculous</i> ) .. ..	..	..	..	..	..	..	..	..	..	..	1	..	1
Convulsions .. ..	5	..	1	1	7	2	1	1	..	..	..	..	11
Gastritis .. ..	..	..	1	..	1	..	..	..	..	..	..	..	1
Laryngitis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis .. ..	..	..	1	..	1	2	2	3	6	..	..	..	14
Pneumonia (all forms) .. ..	..	..	..	..	..	7	2	2	3	..	..	..	14
Suffocation, overlying .. ..	..	..	..	..	..	1	..	..	..	..	..	..	1
Other Causes .. ..	2	..	1	..	3	2	3	4	2	..	..	..	14
Totals .. ..	50	4	11	3	68	19	9	14	16	126			

Nett Births in the year  
 (legitimate 1673  
 (illegitimate 79

Nett Deaths in the year of  
 (legitimate infants 115  
 (illegitimate infants 11

# Return of Births and Deaths Registered during the thirteen weeks ended 31st March, 1923.

TABLE I.

TOWNSHIPS.	Census Population, 1921.	Estimated Population at the middle of the year 1923.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.							All other Diseases.	Rate of Mortality per 1,000.									
			Under 1 year	Over 1 and Under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.			Tuberculosis (all forms)	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer	During the corre- sponding period year previous.	During the 13 weeks ended March 31st, 1923.	During the corre- sponding period year previous.	During the 13 weeks ended March 31st, 1923.		
											Typhoid.	Other.										Diarrhoea.	
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley .....	51,655	52,358	200	129	17	4	49	..	..	1	..	..	..	..	11	35	13	15	54	13.83	9.78	0.22	0.02
Dalton .....	9,528	9,658	44	28	6	1	9	..	..	..	..	..	..	..	1	6	3	4	14	14.09	11.63	0.00	0.00
Almondbury .....	15,637	15,850	52	36	1	1	11	..	1	..	..	..	..	..	4	6	6	5	14	11.86	9.11	0.50	0.06
Lockwood .....	16,919	17,149	72	53	4	4	20	..	1	..	..	..	..	..	5	11	7	8	21	12.33	12.10	0.23	0.05
Lindley .....	10,478	10,620	27	32	3	..	12	..	..	..	1	..	..	..	1	1	5	3	21	13.19	12.09	0.00	0.09
Longwood .....	5,885	5,965	22	19	2	3	5	..	..	..	..	..	..	..	..	4	3	2	7	14.09	12.78	1.34	0.00
Royal Infirmary .....	..	..	3	35	2	2	8	..	..	..	..	..	..	..	1	1	1	4	28	..	..	..	..
Nursing Home .....	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
Crosland Moor .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Workhouse ..	..	..	8	37	..	..	17	..	..	..	..	..	..	..	2	8	3	3	21	..	..	..	..
Deanhouse do.	..	..	..	3	..	..	2	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Sanatorium for In- fectious Diseases ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Deaths of Resi- dents outside Borough	..	..	28	12	2	1	..	..	2	..	..	..	..	..	7	1	..	..	2	..	..	..	..
Borough .....	110,102	111,600	457	395	38	13	135	..	2	2	1	1	..	..	32	73	43	49	192	..	..	..	..
Rate per 1,000 of Esti- mated Population	..	..	16.43	14.20	..	..	..	..	0.07	0.07	0.03	0.03	..	..	1.15	2.62	1.54	1.76	6.90	15.99	14.20	0.46	0.21

Death Rate—Huddersfield, with Infirmary and Nursing Home, 12.59 Deaths of Children under one year per 1,000 births, 83. Death Rate of 105 Towns, 13.1.  
 " Dalton, with Fever Hospital 16.62 " " previous corresponding period, 80. (Zymotic) " 0.71.  
 " Lockwood, with Crosland Moor Workhouse, 21.29 " " Birth Rate 21.2.

\*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton, and Bradley as in former years. The other districts are, however, strictly comparable with those of previous years.



## TABLE II.

Return of Births and Deaths Registered during the thirteen weeks ended 30th June, 1923.

TOWNSHIPS	Census Population, 1921.	Estimated Population at the middle of the Year 1923.	Births Registered dur- ing June - 30th, 1923.	Deaths Registered dur- ing the 13 weeks ended June 30th, 1923.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.							All other Diseases.	During the corres- ponding period year previous	During the 13 weeks ended June 30th, 1923.	Seven Zymotics	Rate of Mortality per 1,000.									
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Typhoid.	Other.						Diarrhoea.	Tuberculosis (all forms).	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.				
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley .....	51,655	52,358	214	127	21	4	43	..	..	..	..	..	..	..	..	..	..	..	11	25	8	12	69	10.09	9.63	0.53	0.15	
Dalton .....	9,328	9,638	36	21	4	..	7	..	..	..	..	..	..	..	..	..	..	..	1	4	3	1	12	10.77	8.72	0.41	0.00	
Almondbury .....	15,637	15,850	48	51	3	..	29	..	..	..	..	..	..	..	..	..	..	..	2	6	6	8	28	14.39	12.91	0.25	0.00	
Lockwood .....	16,919	17,149	68	45	5	1	21	..	..	..	..	..	..	..	..	..	..	..	6	12	4	4	18	14.00	10.53	0.46	0.23	
Lindley .....	10,478	10,620	37	24	1	2	10	..	..	..	..	..	..	..	..	..	..	..	2	5	8	4	9	8.66	9.07	0.00	0.00	
Longwood .....	5,965	5,965	10	19	1	..	7	..	..	..	..	..	..	..	..	..	..	..	2	3	..	4	6	12.75	12.78	0.67	0.00	
Royal Infirmary .....	..	..	6	25	3	3	3	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	17	..	..	..	..	
Nursing Home .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	
Crosland Moor Workhouse .....	..	..	7	18	2	..	5	..	..	..	..	..	..	..	..	..	..	..	4	4	1	2	7	..	..	..	..	
Deanhouse do. Sanatorium for In- fectious Diseases ..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	
Other Deaths of Resi- dents outside Borough	..	..	19	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..	
Borough .....	110,102	111,600	445	348	41	10	130	..	..	..	..	..	..	..	..	..	..	..	1	35	66	30	36	178	..	..	..	..
Rate per 1,000 of Esti- mated Population	..	..	16.00	12.51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.03	1.25	2.37	1.07	1.29	6.40	14.92	12.51	0.39	0.10

Death Rate—Huddersfield, with Infirmary and Nursing Home,	11.61	Deaths of Children under one year per 1,000 births, 92.	Death Rate of 10.5 Towns, 11.9.
" Dalton, with Fever Hospital,	9.97	" "	" (Zymotic) " 0.64.
" Lockwood, with Crosland Moor Workhouse	14.74	" " previous corresponding period, 100.	Birth Rate " 21.4.

•Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts. Central Marsh, Cartown, Deighton, and Bradley as in former years. The other districts are, however, strictly comparable with those of previous years.

TABLE III.

Return of Births and Deaths Registered during the thirteen weeks ended September 29th, 1923.

TOWNSHIPS.	Census Population, 1921.	Estimated Population at the middle of the year, 1923.	Births Registered dur- ing the 13 weeks ended September 29th, 1923.	Deaths Registered dur- ing the 13 weeks ended September 29th, 1923.	AGE MORTALITY.		SEVEN ZYMOTIC DISEASES.							All other Diseases.			Rate of Mortality per 1,000.							
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.		Tuberculosis (all Forms)	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	During the corres- ponding period year previous.	During the 13 weeks ended Sept. 29th, 1923.	During the corres- ponding period year previous.	During the 13 weeks ended Sept. 29th, 1923.		
													Typhoid.	Other.										
*Huddersfield Includ- ing Central, Marsh, Fartown, Beighton and Bradley .....	51,655	52,358	221	115	13	..	44	..	..	..	..	..	..	1	7	10	14	13	70	8,10	8,72	0,36	0,01	
Dalton .....	9,528	9,658	32	18	1	..	3	..	..	..	..	..	..	..	6	2	2	2	10	6,63	7,48	0,00	0,00	
Almondbury .....	15,637	15,850	55	28	1	1	13	..	..	..	..	..	..	..	6	..	2	6	14	8,38	7,09	0,25	0,00	
Lockwood .....	16,919	17,149	76	35	3	1	12	..	..	..	..	..	..	..	1	7	3	4	20	7,00	8,19	0,00	0,00	
Lindley .....	10,478	10,620	36	18	2	..	7	..	..	..	..	..	..	..	1	4	1	3	9	12,43	6,80	0,00	0,00	
Longwood .....	5,885	5,965	18	15	4	..	5	..	..	..	..	..	..	..	1	1	1	2	10	8,05	10,09	0,67	0,00	
Royal Infirmary .....	..	..	5	27	..	..	4	..	..	..	..	..	..	..	2	4	2	1	18	..	..	..	..	
Nursing Home .....	..	..	1	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	
Crosland Moor Workhouse .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Deanhouse do. ....	..	..	3	27	1	..	13	..	..	..	..	..	..	..	..	8	3	6	10	..	..	..	..	
Sanatorium for In- fectious Diseases ..	..	..	..	3	..	..	2	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	
Other Deaths of Resi- dents outside Borough ..	..	..	29	6	..	..	..	..	..	..	1	..	1	..	4	..	..	..	..	..	..	..	..	
Borough .....	110,102	111,600	476	307	25	3	109	..	..	1	1	..	1	..	1	26	38	30	41	168	..	..	..	..
Rate per 1,000 of Esti- mated Population ..	..	..	17.11	11.04	..	..	..	..	..	0.03	0.03	..	0.03	..	0.03	0.93	1.36	1.07	6.04	10.51	11.04	0.21	0.14	

Death Rate—Huddersfield, with Infirmary and Nursing Home 10.92 Deaths of Children under one year per 1,000 births, 52. Death Rate of 105 Towns, 9.4.  
Dalton, with Fever Hospital, 8.31  
Loekwood, with Crosland Moor Workhouse 14.51  
" " " previous corresponding period, 40. " (Zymotic) " 0.55  
" " Birth Rate " 20.5.

\*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton, and Bradley as in former years. The other districts are however, strictly comparable with those of previous years.

# TABLE IV.

Return of Births and Deaths Registered during the thirteen weeks ended 29th December, 1923.

TOWNSHIPS	Census Population, 1921.	Estimated Population at the middle of the Year 1923.	Births Registered dur- ing the 13 weeks ended December 29th, 1923.	Deaths Registered dur- ing the 13 weeks ended December 29th, 1923.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.						Rate of Mortality per 1,000.										
					Under 1 year.	Over 1 and under 5 years	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.		Tuberculosis (all Forms).	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases	Cancer.	All other Diseases.	During the corre- sponding period year previous.	During the 13 weeks ended Dec. 29th, 1923.	Seven Zymotics During the 13 years previous.	Rate of Mortality per 1,000.	
													Typhoid.	Other.										Diarrhoea.
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley .....	51,655	52,358	161	133	11	5	56	..	..	..	3	1	..	1	11	18	16	17	66	12.04	10.09	10.57	0.38	
Dalton .....	9,528	9,658	39	21	2	4	4	..	..	..	..	..	..	..	1	2	2	4	12	11.8	8.72	0.40	0.00	
Almondbury .....	15,637	15,850	48	38	3	5	11	..	..	..	2	..	..	1	6	2	9	4	14	12.19	9.62	0.97	0.76	
Lockwood .....	16,919	17,149	56	50	3	2	13	..	..	..	..	..	..	..	9	12	3	2	24	10.17	11.70	0.60	0.00	
Lindley .....	10,478	10,620	16	28	1	..	12	..	..	..	1	..	..	..	3	2	3	5	14	10.79	10.58	0.00	0.37	
Longwood .....	5,885	5,965	14	15	..	1	10	..	..	..	..	..	..	..	1	2	2	1	9	13.51	10.09	1.28	0.00	
Royal Infirmary .....	..	..	2	18	..	2	2	..	..	..	..	..	..	..	2	2	1	3	10	..	..	..	..	
Nursing Home .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	
Crosland Moor Workhouse .....	..	..	8	22	1	..	14	..	..	..	..	..	..	..	1	7	1	1	12	..	..	..	..	
Deanhouse do. Sanatorium for In- fectious Diseases ..	..	..	..	6	..	..	3	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	
Other Deaths of Resi- dents outside Borough	..	..	30	10	1	..	..	..	..	..	1	3	..	..	5	..	..	..	1	..	..	..	..	
Borough .....	110,102	111,600	374	354	22	15	132	..	..	..	2	5	4	..	2	40	48	38	37	178	..	..	..	..
Rate per 1,000 of Esti- mated Population	..	..	13.45	12.73	..	..	..	..	..	..	0.07	0.18	0.14	..	0.07	1.44	1.72	1.36	1.23	6.40	14.29	12.73	0.72	0.46

Death Rate—Huddersfield, with Infirmary and Nursing Home, 11.53 Deaths of Children under one year per 1,000 births, 59. Death Rate of 10.5 Towns, 11.9.  
 " Dalton, with Fever Hospital 12.88 " " previous corresponding period, 78. " (Zymotic) " 0.47.  
 " Lockwood, with Crosland Moor Workhouse 16.85 Birth Rate " 18.4.  
 \*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the



TABLE V.

Return of Births and Deaths Registered during the fifty-two weeks ended 29th December, 1923.

TOWNSHIPS.	Census Population, 1921.	Estimated Population at the middle of the year 1923.	Births Registered dur- ing the 52 weeks ended December 29th, 1923.	Deaths Registered dur- ing the 52 weeks ended December 29th, 1923.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.										Rate of Mortality per 1,000.						
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Typhoid.	Other.	Diarrhoea.	Tuberculosis (all Forms).	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	During the corres- ponding period year previous.	During the 52 weeks ended Dec. 29th, 1923.	Seven Zymotics	
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley .....	51,655	52,358	796	504	62	9	192	..	..	..	1	3	1	..	2	40	88	51	57	259	10.51	9.65	3.05	0.13
Dalton .....	9,528	9,658	151	88	13	1	23	..	..	..	..	..	..	..	..	5	14	10	11	48	10.25	9.14	0.10	0.00
Almondbury .....	15,637	15,850	203	153	8	6	64	..	1	..	..	2	..	..	1	19	14	23	23	70	10.98	9.68	0.25	0.25
Lockwood .....	16,919	17,149	272	183	15	5	66	3	..	..	..	..	..	..	1	21	42	17	18	83	10.62	10.71	0.23	0.23
Lindley .....	10,478	10,620	116	102	8	1	41	..	..	1	1	1	..	..	..	7	12	17	13	51	9.98	9.64	0.00	0.19
Longwood .....	5,885	5,965	64	68	7	1	27	..	..	..	..	..	..	..	..	5	10	6	12	35	10.23	11.44	0.67	0.00
Royal Infirmary .....	..	..	16	105	5	6	17	..	..	..	..	..	..	..	..	7	11	4	10	73	..	..	..	..
Nursing Home .....	..	..	2	6	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..	5	..	..	..	..
Crosland Moor .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Workhouse .....	..	..	26	104	4	..	49	..	..	..	..	..	..	..	..	7	27	8	12	50	..	..	..	..
Deanhouse do. ....	..	..	..	14	..	..	7	..	..	..	..	..	..	..	..	1	..	1	1	11	..	..	..	..
Sanatorium for In- fectious Diseases ..	..	..	106	31	3	..	..	..	2	2	2	..	4	..	..	18	1	..	..	4	..	..	..	..
Other Deaths of Resi- dents outside Borough	..	..	..	46	1	..	18	..	..	1	..	..	..	..	..	3	6	3	6	27	..	..	..	..
Borough .....	110,102	111,600	1,752	1,404	126	26	506	..	4	3	4	6	5	..	4	133	225	141	163	716	..	..	..	..
Rate per 1,000 of Esti- mated Population ..	..	..	15.75	12.62	1.13	0.23	4.55	..	0.03	0.02	0.03	0.05	0.04	..	0.03	1.19	2.02	1.26	1.46	6.43	13.17	12.62	0.39	0.23

Death Rate—Huddersfield, with Infirmary and Nursing Home, 11.78 Deaths of Children under one year per 1,000 births, 72. Death Rate of 105 Towns, 11.6.  
Dalton, with Fever Hospital 12.36 " " previous corresponding period, 74. " (Zymotic) " 0.59.  
Lockwood, with Crosland Moor Workhouse 16.79 " Birth Rate " 20.4.

\*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton, and Bradley as in former years. The other districts are, however, strictly comparable with those of previous years.

TABLE VI.

Death Rate per 1,000 per annum for 1923 and forty-three previous years.

Year.	Estimated Population at the middle of the Year.	From all causes, and at all ages.	Children under 1 year.	Children over 1 year and under 5 years.	In persons aged 50 years and upwards.	In persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Seven Zymotic Diseases.	Violence and Accidents.	(Consumption and Diseases of the Breathing Organs.
1880	81,780	22.04	5.20	3.79	6.66	..	0.02	0.40	0.28	0.05	0.15	0.67	0.91	2.49	0.61	6.72
1881	82,113	20.35	4.67	2.82	6.54	..	..	0.09	0.21	0.04	0.42	0.13	0.38	1.26	0.75	6.50
1882	83,271	22.39	5.64	3.93	6.60	..	..	0.96	0.26	0.07	0.64	0.18	0.53	2.63	0.65	6.81
1883	84,450	21.38	5.14	3.09	6.52	..	..	0.39	0.08	0.04	0.55	0.18	0.44	1.68	0.58	7.65
1884	86,004	19.54	4.84	2.55	6.34	..	..	0.18	0.08	0.05	0.70	0.14	0.63	1.77	0.57	5.65
1885	87,327	20.05	4.62	2.84	6.79	..	..	0.65	0.13	0.05	0.29	0.11	0.26	1.42	0.74	6.50
1886	88,670	19.54	4.49	2.76	6.30	..	..	0.19	0.37	0.14	0.32	0.14	0.48	1.63	0.79	6.38
1887	90,034	22.99	5.06	4.42	6.70	..	..	1.39	0.35	0.46	0.68	0.10	0.41	3.39	0.51	7.26
1888	91,419	18.51	3.90	2.80	6.37	..	0.02	0.36	0.29	0.15	0.41	0.13	0.19	1.55	0.65	5.40
1889	92,825	18.79	4.15	2.78	6.33	..	..	0.98	0.28	0.13	0.16	0.11	0.36	2.02	0.38	5.95
1890	94,253	18.84	3.83	2.19	7.02	..	0.01	0.04	0.07	0.05	0.42	0.25	0.39	1.23	0.48	6.58
1891	95,410	23.02	4.52	3.51	8.64	..	..	1.12	0.31	0.05	0.62	0.16	0.14	2.40	0.67	7.66
1892	95,373	18.37	3.53	2.60	6.97	..	0.01	0.71	0.19	0.07	0.30	0.06	0.19	1.55	0.48	5.76
1893	95,336	17.84	2.37	2.05	6.82	..	0.02	0.26	0.26	0.03	0.14	0.15	0.55	1.41	0.38	5.55
1894	95,299	16.46	3.35	1.94	5.92	..	..	0.14	0.24	0.28	0.58	0.14	0.19	1.57	0.40	4.81
1895	95,261	17.89	3.58	1.95	7.00	..	..	0.13	0.21	0.20	0.22	0.06	0.54	1.36	0.47	5.17
1896	95,224	17.69	3.63	2.25	6.90	..	..	0.28	0.20	0.27	0.57	0.13	0.34	1.79	0.50	5.51
1897	95,195	17.56	3.20	1.74	6.81	..	..	0.27	0.35	0.22	0.21	0.17	0.35	1.57	0.48	5.05

1902	96,573	17.43	3.30	1.78	..	4.17	0.01	0.59	0.11	0.15	0.47	0.05	0.19	1.58	0.57	4.46
1903	97,808	16.25	2.78	1.32	..	4.29	0.02	..	0.15	0.11	0.16	0.08	0.26	0.82	0.66	4.41
1904	99,056	16.78	3.08	1.69	..	4.11	0.01	0.76	0.10	0.14	0.25	0.07	0.50	1.83	0.61	4.13
1905	100,317	16.05	2.69	1.29	..	1.17	..	0.05	0.11	0.11	0.17	0.17	0.46	1.07	0.58	4.15
1906	101,591	16.18	3.07	1.81	..	4.21	..	0.60	0.07	0.13	0.32	0.09	0.80	2.00	0.11	3.84
1907	102,887	15.61	2.07	1.11	..	4.23	..	0.10	0.06	0.08	0.18	0.11	0.49	0.71	0.50	3.95
1908	104,178	15.54	2.18	1.55	..	4.05	..	0.62	0.03	0.08	0.13	0.08	0.56	1.50	0.47	3.55
1909	105,492	14.61	2.11	1.27	..	4.12	..	0.17	0.09	0.19	0.14	0.10	0.25	0.94	0.55	3.47
1910	106,820	14.76	2.02	1.17	..	3.86	..	0.09	0.17	0.14	0.27	0.05	0.28	1.00	0.49	3.22
1911	108,144	15.17	2.61	1.20	..	4.40	..	0.16	0.15	0.20	0.10	0.07	1.14	1.83	0.50	3.16
1912	109,512	13.81	1.82	0.95	..	4.07	..	0.19	0.20	0.08	0.24	0.02	0.40	0.83	0.44	2.98
1913	110,882	14.77	2.02	0.97	..	4.49	..	0.22	0.06	0.05	0.07	0.08	0.33	0.82	0.57	3.64
1914	112,265	14.69	2.02	1.19	..	4.36	..	0.44	0.03	0.04	0.19	0.05	0.13	0.87	0.54	3.59
1915	112,265	16.35	1.89	0.90	..	5.27	..	0.20	0.00	0.16	0.08	0.01	0.24	0.69	0.53	4.78
1916	111,139	15.11	1.78	0.99	..	4.89	..	0.02	0.01	0.14	0.33	0.02	0.10	0.65	0.42	3.97
1917	107,969	13.29	1.22	0.81	..	4.33	..	0.27	0.01	0.10	0.01	0.09	0.11	0.59	0.51	4.14
1918	105,818	16.70	1.49	1.27	..	4.64	..	0.18	0.01	0.10	0.15	0.03	0.07	0.56	0.51	5.22
1919	105,346	15.81	1.34	0.85	..	4.99	..	0.02	..	0.07	0.04	0.03	0.04	0.23	0.43	4.03
1920	112,301	13.37	1.51	0.62	..	4.17	..	0.05	0.06	0.15	0.05	0.01	0.00	0.34	0.54	3.52
1921	116,776	12.72	1.52	0.49	..	3.14	..	0.01	0.01	0.09	0.06	0.03	0.12	0.34	0.39	3.16
1922	111,900	13.17	1.22	0.58	..	4.83	..	0.08	0.00	0.08	0.14	0.02	0.03	0.39	0.57	2.92
1923	111,600	12.62	1.13	0.23	..	4.55	..	0.03	0.02	0.03	0.05	0.04	0.03	0.23	0.48	2.98

# TABLE VII.

Mortality per 1,000 Persons Living at all Ages.

DISTRICTS	Birth-rate.	Mortality per 1,000 Persons Living at all Ages.												Total from all causes.			
		Children under 1 year.	1 to 5 Years.	Adults over 65 years.	Seven Zymotic Diseases	Constitutional Diseases	Tuberculosis all forms.	Developmental Diseases.	Diseases of the Nervous System.	Diseases of the Circulatory System.	Diseases of the Respiratory System.	Diseases of the Digestive System.	Diseases of the Urinary System.		Diseases of the Reproductive System.	Violence.	Ill-defined and not Specified Causes.
Huddersfield Township (with Infirmary & Nurses Home) .....	15.59	1.30	0.38	4.31	0.13	1.62	0.90	1.51	1.45	1.76	2.03	0.78	0.80	0.21	0.74	0.36	12.34
Huddersfield Township (without Infirmary & Nurses Home) .....	15.25	1.20	0.25	3.94	0.13	1.40	0.76	1.49	1.40	1.62	0.76	0.27	0.63	0.09	0.32	0.27	10.21
Dalton (with Sanatorium) .....	25.70	1.66	0.20	3.01	0.83	2.07	2.38	1.97	0.93	1.66	1.76	0.20	0.52	0.19	0.20	0.72	13.40
Dalton (without Sanatorium) .....	15.68	1.35	0.10	3.01	0.00	2.07	0.52	1.76	0.83	1.66	1.66	0.20	0.52	0.10	0.20	0.62	10.18
Almondhury .....	12.85	0.51	0.44	4.11	0.25	1.77	1.26	1.07	1.01	2.02	0.95	0.06	0.76	0.10	0.38	0.51	10.06
Lockwood (with Workhouse) .....	17.43	1.11	0.46	6.78	0.23	2.16	1.75	1.69	2.81	2.63	4.09	0.12	0.76	0.06	0.23	0.52	17.08
Lockwood (without Workhouse) ..	15.91	0.87	0.46	3.92	0.23	1.34	1.28	0.76	2.04	1.81	2.51	0.12	0.41	0.06	0.17	0.23	11.00
Lindley .....	10.96	0.75	0.28	4.06	0.28	1.89	0.66	1.13	1.32	1.79	1.42	0.28	0.75	0.00	1.88	0.37	10.11
Longwood .....	10.76	1.17	0.16	4.71	0.00	2.52	1.01	2.35	1.17	1.34	1.85	0.33	0.84	0.16	0.16	0.50	12.28
Total for Borough, 1923 .....	15.75	1.13	0.37	4.55	0.23	1.84	1.19	1.53	1.53	1.91	2.10	0.46	0.76	0.12	0.48	0.45	12.62
Total for 1922 .....	16.47	1.22	0.58	4.83	0.39	1.61	0.92	1.69	1.79	1.97	2.32	0.60	0.65	0.12	0.57	0.50	13.17

The above figures include persons belonging to Huddersfield who died outside the Borough classified to the localities in which they previously resided.

# TABLE VIII.

Cases of infectious diseases notified under the 64th clause of the Huddersfield Improvement Act, 1880, or found through official enquiries, during the four quarters of the 52 weeks of the year 1923.

## A Cases of Small Pox, Scarlet Fever, Typhoid, and Typhus Fever.

	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			YEAR.			
	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.
Small pox .....	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Scarlet fever.....	69	67	2	2	49	20	1	..	31	29	..	..	170	162	3	..
Typhoid fever .....	2	1	..	..	..	4	1	1	12	11	4	3	18	16	5	4
Typhus fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals .. .. .	71	68	2	2	49	25	2	1	44	41	4	3	190	180	8	6

## B Other Diseases.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		TOTAL.	
	Heard of	Hospital.	Heard of	Hospital.	Heard of	Hospital.	Heard of	Hospital.	Heard of	Hospital.
Continued fever .. . . .	..	..	..	..	..	..	..	..	..	..
Chicken Pox .. . . .	..	..	..	..	..	..	..	..	..	..
Diphtheria .. . . .	17	15	17	16	9	9	33	31	76	71
Puerperal fever .. . . .	1	1	..	..	2	..	2	1	5	2
Erysipelas .. . . .	13	..	10	..	9	..	14	..	46	..
Diarrhoea (in children under 5 years)	..	..	2	..	5	..	4	..	11	..
Ophthalmia Neonatorum .. . . .	2	..	2	..	4	..	3	..	13	..
Cerebro-Spinal Meningitis .. . . .	..	..	1	1	..	..	..	..	1	1
Polio-Myelitis .. . . .	..	..	1	..	..	..	..	..	1	..
Anthrax .. . . .	..	..	..	..	..	..	..	..	..	..

TABLE IX.

Birth-rate, Death-rate, and Analysis of Mortality during the Year 1923.

*Provisional figures. The rates for England and Wales have been calculated on a population estimated to the middle of 1923, while those for the towns have been calculated on population as estimated to the middle of 1922. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns.)*

	BIRTH-RATE PER 1,000 TOTAL POPULA- TION.	ANNUAL DEATH-RATE PER 1,000 POPULATION.									RATE PER 1,000 BIRTHS.		PERCENTAGE OF TOTAL DEATHS.		
		All Causes.	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Violence.	Diarrhea and Enteritis (under 2 Years).	Total Deaths under One Year.	Cause of Death certified by Registered Medical Practitioners.	Highest (Cases).	Un- certified (Cases) of Death.
England and Wales .....	19.7	11.6	0.01	0.00	0.14	0.03	0.10	0.07	0.22	0.44	7.7	69	92.0	6.9	1.1
105 County Boroughs and Great Towns including London .....	20.4	11.6	0.01	0.00	0.15	0.03	0.12	0.09	0.22	0.40	9.9	72	92.2	7.2	0.6
157 Smaller Towns (1921 Adjusted Populations 20,000-50,000) .....	19.8	10.6	0.01	0.00	0.19	0.02	0.10	0.06	0.21	0.38	6.4	69	92.6	6.1	1.3
London .....	20.2	11.2	0.01	0.00	0.08	0.02	0.09	0.13	0.17	0.45	10.2	60	93.8	9.1	0.1

This Table has been kindly furnished by the Registrar General of Births, Marriages, and Deaths.



